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above the sea, to the tropical seashores of Java. Like Chapman's "Birds of Columbia," to which the Elliot Medal was awarded last year, this monograph puts the living bird, in its living environment, into the forefront.

It is for these reasons that the committee was unanimous, especially when its decision was confirmed without hesitation by Dr. J. A. Allen, the Nestor of American zoologists. It is not the magnificence of this monograph, not the superb illustrations, not the delightfully written text, but the truly Darwinian spirit which animated the author and which sustained him through seven years of continuous research and his arduous labors in the preparation of this monograph. When completed, we believe that it will come nearer to depicting the actually living forms of this great group than any book which has ever been written on a single family of birds.

PROPOSED CONSTITUTION AND BY-LAWS OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

THIS copy of the Constitution and By-laws is the one presented to the Committee on Policy by the subcommittee on revision. It was adopted by the committee and presented to the association at the Baltimore meeting. It will be presented for adoption at the St. Louis meeting.

EDWARD L. NICHOLS,
*Chairman of the Committee
on Policy*

CONSTITUTION OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

Article 1. Objects

The objects of the Association are to promote intercourse among those who are cultivating science in different parts of America, to cooperate with other scientific societies and institutions, to give a stronger and more general impulse and more systematic direction to scientific research, and to procure for the labors of scientific men increased facilities and a wider usefulness.

Article 2. Membership

Persons willing to cooperate in the work of the Association may be elected to be members by the

Council. Members who are professionally engaged in scientific work or who have advanced science by research may be elected to be Fellows. The admission fee for members is five dollars; the annual dues are four dollars.¹ A member who pays at one time the sum of seventy-five dollars to the Association becomes a life member and is exempt from further dues. A person who gives one thousand dollars to the Association may be elected to be a sustaining member and is exempt from further dues.

Article 3. Officers

The officers of the Association shall be elected by ballot by the Council, and shall consist of a President, a Vice-president from each section, a Permanent Secretary, a General Secretary, a Treasurer and a Secretary of each section. The President and the Vice-presidents shall be elected for one year, the other officers for four years. The officers shall perform the usual duties of these offices under the direction of the Council.

Article 4. Council

The Council shall consist of the President, the Vice-presidents, the Permanent Secretary, the General Secretary, the Secretaries of the Sections, and the Treasurer, of one fellow elected by each affiliated society and one additional fellow from each affiliated society having more than one hundred members who are fellows of the Association, and of eight fellows, two elected annually by the Council for a term of four years. There shall be an Executive Committee of the Council, consisting of the President, the Permanent Secretary, the General Secretary, and eight members elected by the Council, two annually for a term of four years. The Council may appoint standing or temporary committees to make reports, to assist in the conduct of the work of the Association and to promote its objects.

Article 5. Sections

The Association shall be divided into the following Sections: A, *Mathematics*; B, *Physics*; C, *Chemistry*; D, *Astronomy*; E, *Geology and Geography*; F, *Zoological Sciences*; G, *Botanical Sciences*; H, *Anthropology and Archeology*; I, *Psychology and Philosophy*; J, *Social and Economic Sciences*; K, *Historical and Philological Sciences*; L, *Engineering*; M, *Medicine*; N, *Agriculture*; O,

¹ The Committee on Policy recommends that the annual dues be five dollars and the life membership fee one hundred dollars.

Manufactures and Commerce; P, Education. Members of the Association shall be members of that Section or of those Sections under which their work or their interests fall. Members of the Section shall nominate to the Council a Chairman, who becomes *ex officio* a Vice-president of the Association and whose term of office shall be one year, and a Secretary, whose term of office shall be four years. These officers, together with four fellows, one elected annually by the Section for a term of four years, and the representatives on the Council of affiliated societies in the same field shall form a Sectional Committee. This committee shall arrange the scientific programs of the meetings and may form sub-sections or hold joint meetings with other sections or other societies. It may appoint committees and shall in all ways promote the objects of the Association within its own field.

Article 6. Divisions and Branches

Regional Divisions and Local Branches of the Association may be formed by vote of the Council. Such Divisions and Branches may elect officers, hold meetings, appoint committees, enter into relations with other societies and promote within their fields the objects of the Association.

Article 7. Associated and Affiliated Societies

National and local scientific societies may, by vote of the Council, become associated with the Association. Those Associated Societies which the Council shall designate as Affiliated Societies shall be represented on the Council and on the Sectional Committees as provided in Articles 4 and 5.

Article 8. Meetings

The Association shall hold an annual meeting at such time and place as may be determined by the Council. Other meetings of the Association and of the Sections may be authorized by the Council. The Divisions and the Branches may hold annual and other meetings.

Article 9. Proceedings

The Proceedings of the Association and the list of officers and members shall be published in such manner as the Council may direct.

Article 10. Funds

The Permanent Secretary shall collect the annual dues and make expenditures as directed by the Council. The Treasurer shall deposit or invest the permanent funds of the Association, as provided for trust funds by the laws of the state of Massachusetts or the state of New York. Be-

quests and gifts will be administered in accordance with the provisions of the donors. The payments from sustaining and life members form part of the permanent fund, and the income (after the death of the member) shall be used for research, unless otherwise directed by unanimous vote of the Council or by a majority vote at two consecutive annual meetings.

Article 11. Alteration of the Constitution

This Constitution may be amended at a General Session by unanimous vote or by a majority vote at two consecutive annual meetings.

BY-LAWS AND RULES OF PROCEDURE

I

The Association is American, its field covering North, Central and South America. Inhabitants of any country are eligible to membership.

II

1. An incorporated scientific society or institution or a public or incorporated library may become a member by vote of the Council.

2. Associates on payment of four dollars may be admitted to the privileges of a meeting, except voting.

3. Foreign associates may be admitted without fee to the privileges of a meeting, except voting.

4. All members who are professionally engaged in scientific work, or who have advanced science by research, may be elected by the Council to be fellows on nomination or on their own application. This qualification is understood to have been met by members of affiliated societies having a research qualification.

5. The Council may exclude from the Association any one who has made improper use of his membership or whose membership is regarded as detrimental to the Association.

III

1. The Permanent Secretary, the General Secretary and Treasurer of the Association and the Secretaries of the Sections shall be elected at the larger convocation week meetings held once in four years beginning the last week of the year 1916. Vacancies in these offices shall be filled by the Council.

2. The President of the Association shall give an address at a general session of the Association at the annual meeting following that over which he presided.

3. The Vice-presidents shall hold seniority in the order of their continuous membership in the Association.

4. The Permanent Secretary shall attend to the business of the Association, the arrangements for the meetings and such other matters as the Council may designate. He may employ, with the approval of the Council, an Assistant Secretary. The salaries of the Secretaries shall be determined by the Council.

5. The General Secretary shall attend to matters connected with the organization of the Association, its relations to the affiliated societies and such other matters as the Council may designate. He shall receive such compensation as may be determined by the Council.

6. The Permanent Secretary, the General Secretary and the Treasurer shall present annually to the Council an account of the funds in their charge. These accounts shall be audited by an Auditor elected by the Council. There shall be a Finance Committee of three, elected by the Council, including the Treasurer, who shall give advice in regard to the investment of the funds of the Association. The Treasurer and the Permanent Secretary and General Secretary shall present a budget to the Council for the year following the annual meeting.

IV

1. There shall be a Committee on Grants, appointed by the President, with the advice of the Council, consisting of eight members, two appointed annually for a period of four years, which shall award for scientific research such part of the income from the permanent and special funds of the Association as may be appropriated for that purpose by the Council.

2. The following standing committees are authorized: Committee of One Hundred on Scientific Research; Committee of One Hundred on National Health; Committee on Delegates from Educational and Scientific Institutions; Committee on Expert Testimony; Committee on the Jane M. Smith Life Membership Fund.

3. A local committee shall be organized by the members resident in the place where a meeting of the Association is held. This committee may appoint an executive committee and other committees and shall make arrangements for the meeting, in cooperation with the Permanent Secretary and the other officers of the Association.

V

1. The Sectional Committees shall arrange for each annual meeting a program of general scientific interest, occupying usually one or two sessions.

The Section shall not hold sessions for the reading of special papers when the affiliated society in the same field meets with the association.

2. No member shall take part in the organization or hold office in more than one section at any one meeting.

VI

1. A Pacific Division has been organized whose territory lies west of the "Rocky" Mountains. This Division and other Divisions that may be authorized by the Council have full control of their meetings, their affiliations with other scientific organizations, and of all movements to promote the advancement and diffusion of science in their territory. The Pacific Division shall be allowed for its expenses the entrance fees collected through its efforts and one dollar a year for each member in good standing.

2. Local Branches may be formed by members residing in the same locality. These branches shall be allowed for their expenses the entrance fees collected through their efforts and an amount for their expenses not to exceed fifty cents for each member in good standing.

VII

1. Affiliated societies having two representatives on the Council and on the Sectional Committees are:

2. Affiliated societies having one representative on the Council and on the Sectional Committees are:

3. Associated societies are:

VIII

1. A general session of the Association shall usually be held on the first evening of the meeting and at this session the address of the retiring president shall be given. Other general sessions may be arranged by the Council.

2. The Council shall ordinarily meet on the afternoon of the first day of the meeting. It may also meet at such other times as may be decided, and shall ordinarily hold a meeting in the spring at Washington.

3. The Sectional Committees shall ordinarily hold meetings on the morning of the first day of the annual meetings and may hold such other meetings as they may arrange.

4. The Executive Committee shall meet on the day preceding the annual meeting and at such other times during the meeting as it may decide. It shall ordinarily hold meetings in the spring and in the autumn.

IX

1. By arrangement with the publishers of SCIENCE this journal publishes the official notices and proceedings of the Association and is sent to all members in good standing, the sum of \$2 being paid to the publishers of the journal for each member. Members may by request receive *The Scientific Monthly* in place of SCIENCE. This arrangement may be cancelled by the Council of the Association or by the publishers of the journal, after one year's notice has been given by either party.

X

1. The official year of the Association shall begin on October 1, and the dues of members are payable on that date. Only members who have paid their dues shall enjoy the privileges of the meetings and receive publications of the Association, but those not longer than two years in arrears for dues are retained on the membership list. Members dropped from membership for non-payment of dues may have their names reinstated by payment of arrearages or may be reelected with payment of the entrance fee. In the case of members of affiliated societies elected to membership in the American Association for the Advancement of Science within one year of their election to membership in the affiliated society, the entrance fee shall be remitted.

2. The Secretaries of the Association and of the Sections shall be allowed \$30 in lieu of their traveling expenses to the annual meeting, or, if their expenses are less than that sum, the amount of their expenses.

3. Members of the Executive Committee shall be allowed \$30 in lieu of their traveling expenses in attendance on meetings of the Committee, held apart from the meetings of the Association, or, if their expenses are less than that sum, the amount of their expenses.

XI

These By-Laws and Rules of Procedure may be amended by vote of the Council.

SCIENTIFIC EVENTS

THE SOUTHWESTERN GEOLOGICAL SOCIETY

ON November 8, after several previous meetings, a number of the geologists of Dallas, Fort Worth, Austin, Shreveport, and other cities of the southwest organized an association, to be known as the Southwestern Geological Society. It is not the intention of the founders that the society shall be a

competitor of either the Geological Society of America or the American Association of Petroleum Geologists, but that it shall be a regional organization comparable to the Cordilleran section of the Geological Society of America, the Geological Society of Washington, or other similar local organizations. It is also intended that it shall provide, through bi-monthly sectional meetings in each of the important cities of the southwest, frequent opportunities for the exchange of scientific data and views.

The promotion of fellowship and cooperation are the paramount aims, and publications, for the present, except of brief abstracts, will be a secondary consideration.

The membership will be drawn from those actively engaged in geology in the southwest, both academic and economic, and will include the professors of the state and other universities and members of the geological surveys, as well as those engaged in economic work.

The officers elected at the first meeting are as follows: President, Myron L. Fuller; vice-presidents, Wm. Kennedy and Wallace Pratt; secretary E. W. Shuler; treasures, R. B. Whitehead; council Robert T. Hill, H. P. Bybee, John A. Udden, W. E. Wrather and Chester A. Hamil.

Among the founder members were the following; Ellis W. Shuler, Myron L. Fuller, Robert T. Hill, F. W. Simonds, Wm. Kennedy, R. B. Whitehead, John A. Udden, F. A. Lahee, Wallace Pratt, F. L. Whitney, J. W. Beede, H. P. Bybee, E. B. Hopkins, C. A. Hamil, J. E. Brantly, V. V. Waite.

All geologists of good standing interested in the geology of the southwest are invited to send in their applications for membership to Dr. Ellis W. Shuler, secretary, Southern Methodist University, Dallas, Texas.

THE CHICAGO MEETING OF THE AMERICAN PHYSICAL SOCIETY

THE 100th regular meeting of the American Physical Society will be held in the Ryerson Physical Laboratory of the University of Chicago, on Friday and Saturday, November 28 and 29, 1919. The occasion will be